

METHOD AND RELATED APPARATUS FOR REDUCING IMAGE CROSS TALK IN A LOW-IF RECEIVER

Abstract

The invention uses a method to minimize cross talk by minimizing the amplitude mismatch and phase mismatch between quadrature signals. The two quadrature signals are an in-phase signal and a quadrature-phase signal. The method reduces a phase mismatch between signals by compensating the quadrature-phase signal with part of the in-phase signal so that the phase difference between the signals is 90 degrees. The method also involves adjusting amplitudes of the in-phase signal and the quadrature-phase signal to the same value so as to eliminate the amplitude mismatch in the pair of quadrature signals.